Panasonic

47-inch Tough LCD Display
with Dust and Water resistant and Direct Sunlight Capability

TH-47LFX6W

Product specification (design and specification subject to change without notice)

■DISPLAY PANEL

Screen Size (Diagonal)	47-inch (1,192 mm)
Panel type	IPS / CCFL
Aspect ratio	16:9
Effective Display Area (W x H)	1,039 x 584 mm
Number of pixels (H x V)	1,920 x 1,080 pixels
Brightness	1,000 cd/㎡ (Typ)
Contrast Ratio	1,200:1
Viewing Angle (Horizontal/Vertical)	178˚ /178˚
Panel Life Time	approx. 50,000 hours*

* An approximate time until the panel brightness decreases to half of its original value.
In the remote control power "OFF", when using the outdoor mode is included in the panel life time.

■CONNECTION TERMINAL

HDMI IN	HDMI TYPE A Connector x 1		
DVI-D IN	DVI-D 24pin x 1	Compliance with DVI Revision 1.0 Compatible with HDCP 1.1	
AUDIO IN (L/R)	M3 jack x 1 (Shared with PC IN)	0.5 Vrms	
PC IN	MINI D-sub 15pin x1 (Female)	G	: with sync 1.0 Vp-p (75Ω) : without sync 0.7 Vp-p (75Ω)
		B	: 0.7 Vp-p (75Ω)
		R	: 0.7 Vp-p (75Ω)
		HD/VD	: 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (L/R)	M3 jack x 1 (Shared with DVI-D IN)	0.5 Vrms	
DIGITAL LINK	RJ45 x 1 (Shared with LAN)		

■CONTROL

SERIAL IN	D-sub 9pin x 1, RS-232C compatible
LAN	RJ45 x 1 (Shared with DIGITAL LINK)

■AUDIO

Line out (VAO)	RCA pin (L/R) x 1 set

■ELECTRICAL

Power Requirements	220-240 V AC, 50/60Hz
Power Consumption	370 W
Power off condition	approx. 0.3 W
Stand-by condition	approx. 0.5 W
Outdoor mode ON	approx. 41 W
Network stand-by mode	approx. 16 W

■MECHANICAL

Dimensions (W x H x D)	1,162 x 706 x 216 mm
Carton Dimensions (W x H x D)	1,308 x 851 x 323 mm
Weight	approx. 49.5 kg
Gross weight	approx. 58 kg
Cabinet Material / Color	Aluminum / Black (Front cabinet) & Silver (Back cover)
Protection Glass	Yes
VESA mount	400 x 400 mm

■ENVIRONMENTAL

Direct Sunlight Capability (measures against Blackout)	Yes (Built-in air cooling system)	
Dust and Water resistant level	IP44	
Operating environment	Temperature	: 0℃ to 40℃, -20℃ to 40℃ (Outdoor mode)
	Humidity	: 20 % to 80 % (Non condensation)
Storage environment	Temperature	: -20℃ to 60℃
	Humidity	: 20 % to 80 % (Non condensation)

Don't use in places where the presence of corrosive gases or salt damage area.

■INCLUDED ACCESSORIES

- Power supply cord - Remote control transmitter - Batteries x 2 - Operating instruction book - Panasonic badge - Door holders x 2
- Ferrite core x 2 - Cable tie x 2 - Screws x 12

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MAIN FEATURE

Digital Zoom	Yes (x1～x4)
Video Wall	Yes (N x M, up to 5 x 5)
Power-on Screen Delay	Yes
Seam Hides Video Off Mode	Yes
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
Standby Save	Yes
PC Power Management	Yes
ECO	On/Off
Input lock	Yes
Button lock	Yes
Remote-control User Level	Yes
Outdoor Mode	Yes
Failover input	Yes
Orientation	Landscape / Portrait

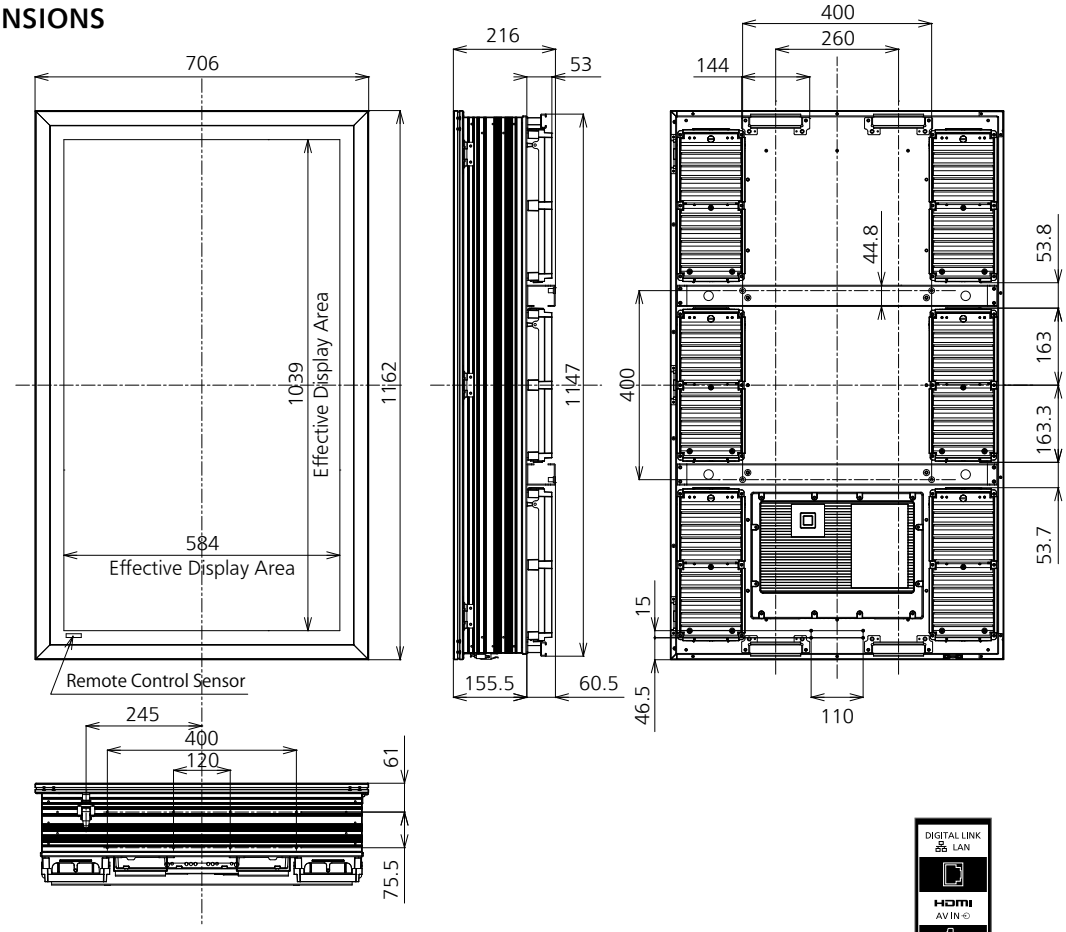
STANDARD (CERTIFICATIONS)

IP (Ingress Protection) Rating		Corresponding to IP44
Safety Regulations		
	Europe	EN60065, IEC60065, EAC
	Asia	AS/NZS60065, SASO, IEC60065 / SS, IEC60065 / PAI
Radiation Regulations		
	Europe	EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3
	Asia	CISPR22 Class-B

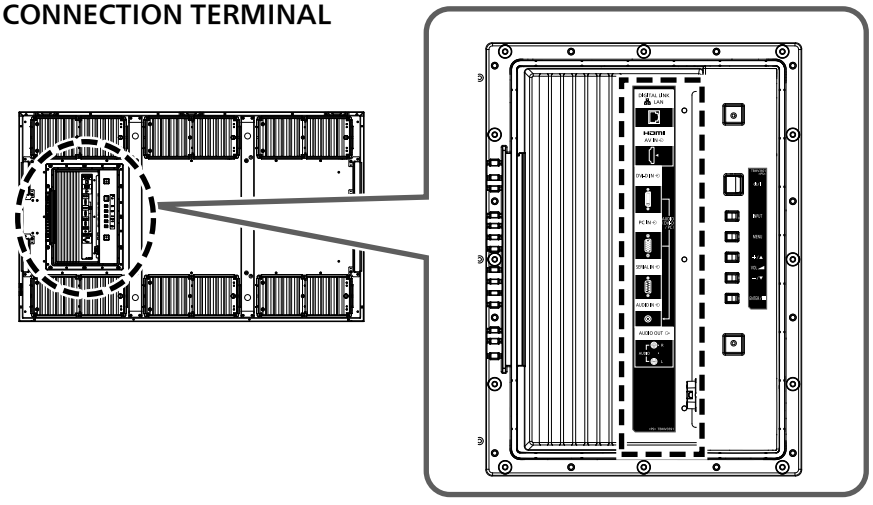
DIMENSIONS

Cautions: This drawing is not a scale

Units : mm



CONNECTION TERMINAL



APPLICABLE INPUT SIGNALS

PC signals

∗ Mark: Applicable input signal

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	PC IN (Dot clock (MHz))	DVI-D IN (Dot clock (MHz))	HDMI
1	640x400@70Hz	31.46	70.07	∗ (25.17)		
2	640x480@60Hz	31.47	59.94	∗ (25.18)	∗ (25.18)	∗
3	640x480@72Hz	37.86	72.81	∗ (31.5)		
4	640x480@75Hz	37.50	75.00	∗ (31.5)		
5	640x480@85Hz	43.27	85.01	∗ (36.0)		
6	800x600@56Hz	35.16	56.25	∗ (36.0)		
7	800x600@60Hz	37.88	60.32	∗ (40.0)	∗ (40.0)	∗
8	800x600@72Hz	48.08	72.19	∗ (50.0)		
9	800x600@75Hz	46.88	75.00	∗ (49.5)		
10	800x600@85Hz	53.67	85.06	∗ (56.25)		
11	852x480@60Hz	31.47	59.94		∗ (33.24)	∗
12	1024x768@50Hz	39.55	50.00		∗ (51.89)	∗
13	1024x768@60Hz	48.36	60.00	∗ (65.0)	∗ (65.0)	∗
14	1024x768@70Hz	56.48	70.07	∗ (75.0)		
15	1024x768@75Hz	60.02	75.03	∗ (78.75)		
16	1024x768@85Hz	68.68	85.00	∗ (94.5)		
17	1066x600@60Hz	37.64	59.94		∗ (53.0)	∗
18	1152x864@60Hz	53.70	60.00		∗ (81.62)	∗
19	1152x864@75Hz	67.50	75.00	∗ (108.0)		
20	1280x768@60Hz	47.70	60.00	∗ (80.14)		
21	1280x960@60Hz	60.00	60.00	∗ (108.0)		
22	1280x960@85Hz	85.94	85.00	∗ (148.5)		
23	1280x1024@60Hz	63.98	60.02	∗ (108.0)	∗ (108.0)	∗
24	1280x1024@75Hz	79.98	75.02	∗ (135.0)		
25	1280x1024@85Hz	91.15	85.02	∗ (157.5)*1		
26	1366x768@50Hz	39.55	50.00		∗ (69.92)	∗
27	1366x768@60Hz	48.36	60.00	∗ (86.71)	∗ (87.44)	∗
28	1400x1050@60Hz	65.22	60.00		∗ (122.61)	∗
29	1600x1200@60Hz	75.00	60.00	∗ (162.0)	∗ (162.0)	∗
30	1920x1080@60Hz	67.50	60.00	∗ (148.5)	∗ (148.5)	∗
31	1920x1200@60Hz	74.04	59.95		∗ (154.0)	∗
32	Macintosh13"(640x480)	35.00	66.67	∗ (30.24)		
33	Macintosh16"(832x624)	49.72	74.55	∗ (57.28)		
34	Macintosh21"(1152x870)	68.68	75.06	∗ (100.0)		

* 1:Not compatible with SYNC ON G.

・ The signal format automatically detected may differ from the actual input signal in display.

Component signals

∗ Mark: Applicable input signal

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	DVI-D IN (Dot clock (MHz))	HDMI
1	525(480)/60i	15.73	59.94	∗ (27.0)	∗
2	525(480)/60p	31.47	59.94	∗ (27.0)	∗
3	625(575)/50i	15.63	50.00		
4	625(576)/50i	15.63	50.00	∗ (27.0)	∗
5	625(575)/50p	31.25	50.00		∗
6	625(576)/50p	31.25	50.00	∗ (27.0)	∗
7	750(720)/60p	45.00	60.00	∗ (74.25)	∗
8	750(720)/50p	37.50	50.00	∗ (74.25)	∗
9	1,125(1,080)/60p	67.50	60.00	∗ (148.5)	∗
10	1,125(1,080)/60i	33.75	60.00	∗ (74.25)	∗
11	1,125(1,080)/50p	56.25	50.00	∗ (148.5)	∗
12	1,125(1,080)/50i	28.13	50.00	∗ (74.25)	∗
13	1,125(1,080)/24sF	27.00	48.00		
14	1,125(1,080)/30p	33.75	30.00	∗ (74.25)	∗
15	1,125(1,080)/25p	28.13	25.00	∗ (74.25)	∗
16	1,125(1,080)/24p	27.00	24.00	∗ (74.25)	∗

・ The corresponding signals for DIGITAL LINK inputs are the same as those for HDMI inputs.

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